

Nautilus Energy

RPS Application for Class II- Solar Certification

(1) The name and address of the applicant;

Laura Stern
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(2) The name and location of the facility;

Name: Thule Corporation
Location: 42 Silvermine Road, Seymour, CT 06483

(3) The ISO-New England asset identification number, if available;

Not applicable

(4) The GIS facility code, if available;

Still under review. Nautilus Solar will send NH PUC the GIS code as soon as it is issued.

(5) A description of the facility, including:

Fuel type: Solar PV
Gross nameplate generation capacity: 318 kW
The initial commercial operation date: October 2008
The date it began operation (if different): October 2008

(6) All other necessary regulatory approvals, including any reviews, approvals or permits;

Town inspection from Seymour CT attached. This is the only permit required from the State of Connecticut.

(7) Proof that the applicant either has an approved interconnection study on file with the commission, is a party to a currently effective interconnection agreement, or is otherwise not required to undertake an interconnection study;

Interconnection agreement with CL&P attached.

(8) A description of how the generation facility is connected to the distribution utility;

The roof mounted solar power system is comprised of Qty (1760) Schuco 180 Watt solar modules. The modules are supported above the roof using a UniRac SolarMount racking system with a 5 degree tilt angle. The panel assemblies are attached to the standing seam roof using S-5 clamps. The modules are wired into PV source circuits comprised of 16 modules wire din series. Each series string is fused at a combiner box with a 15A fuse. There are a total of Qty (110) PV source circuits which feed into Qty (14) combiner boxes. Each combiner box can be supplied by as many as 8 PV source circuits. The DC power generated by the solar modules is delivered to the system two Satcon grid connected inverters. The 225 kW inverter is fed by qty (1408) modules configured into qty (11) Inverter input circuits whereas the 50 KW inverter is fed by Qty (352) modules configured as Qty (5) inverter input circuits. The inverter convert the DC power form the modules into AC power that is compatible with the site power distribution system, which in this case is a 3-phse 480 volts. The output of each inverter is fed through a fused disconnect switch; a 350A fused switch in the case of the 225 kW inverter and an 80A fused disconnect switch for the 50 KW unit. The individual AC circuits are then combined together into a single circuit which passes through a Utility disconnect switch before terminating at a 450A breaker that has been added to the sites main switchboard. The utility disconnect switch is located on the exterior wall of the electrical equipment room.

(9) A statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof;

No

(10) A description of how the facility's output is reported to the GIS if not verified by ISO-New England;

CL&P meter verification and on-site meter readings. Interconnection agreement attached.

(11) An affidavit by the owner attesting to the accuracy of the contents of the application;

See Below.

I hereby submit this application and supporting documents and attest to the authenticity and accuracy of the New Hampshire application and all information contained herein.

LAURA STERN

Printed Name

Laura Stern

Signature

October 17, 2008

Date